APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

A Study of the Role of the Transfer Phenomena in Catalysis on Porous Contacts, by E. A. Roiter.

Full translation.

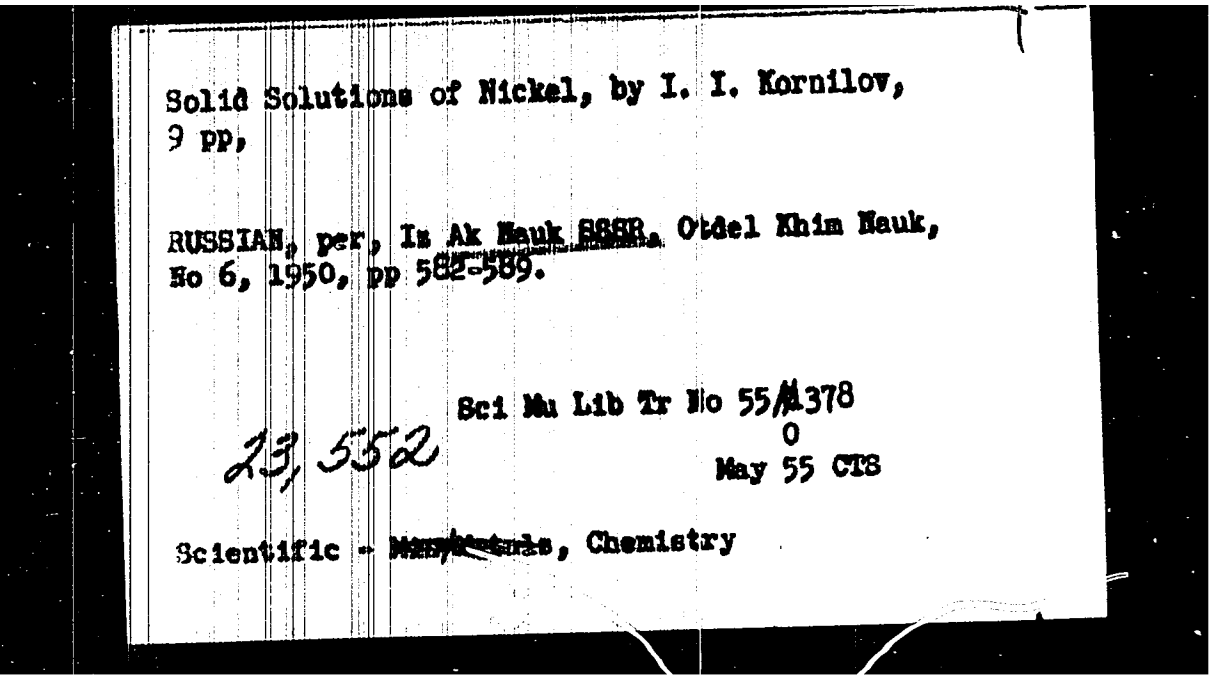
RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, Vol VI, 1950, pp 576p581.

AEC Tr 1262

Scientific - Chemistry also D 515 DRB Canada T-62 R.

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7



Solid Solutions of Nickel, by I. I. Kornilov,
9 pp,

RUSSIAN, per, Iz Ak Nauk SSSR. Otdel Khim Nauk,
No 6, 1950, pp 582-589.

Sci Mu Lib Tr No 55/A378
O
May 55 CTS

23,552

Scientific - Materials, Chemistry

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

Study of Organic Phosphorous Compounds, XIV, Synthesis of Aminophosphinic Acids, 1., by K. I. Kabachnik, T. Ya. Medvei, 12 pp.

RUSSIAN, per, Izvestiya Akademiy Nauk SSSR, Otdeleniе Khimicheskikh Nauk, No 6, 1950, pp 635-640.

Sci Trans Center RT 36,156 3552

Chemistry

Jun 56 CTS

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

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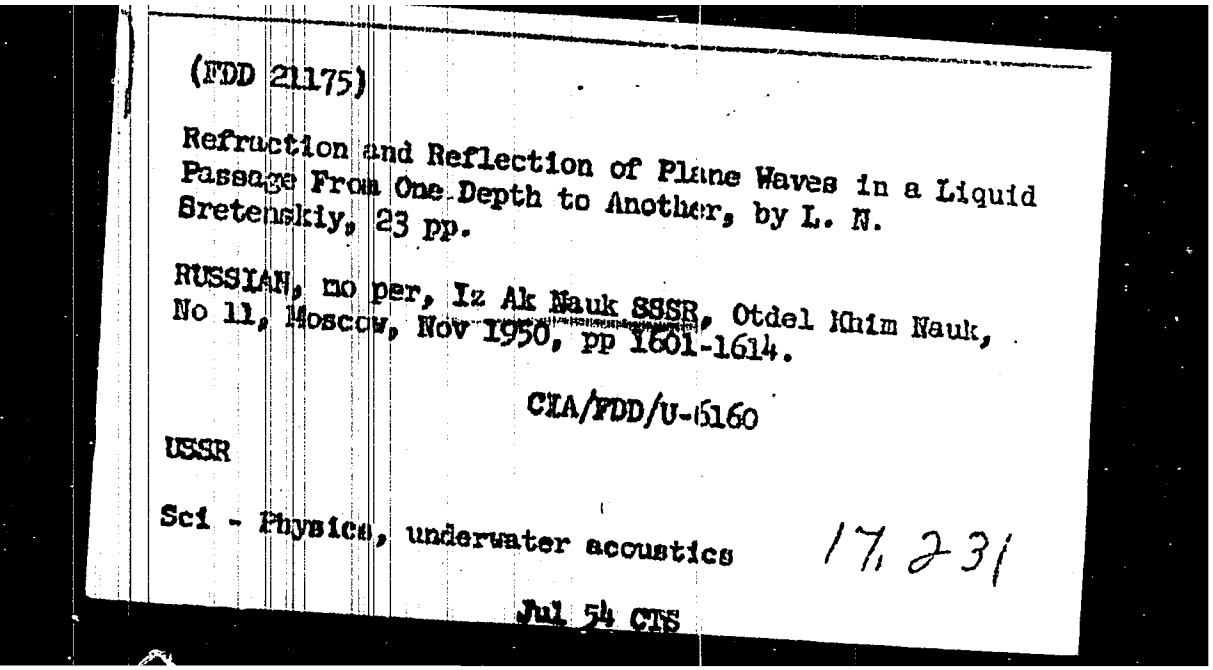

(FDD 21175)

Refraction and Reflection of Plane Waves in a Liquid Passage From One Depth to Another, by L. N. Sretenskiy, 23 pp.

RUSSIAN, no per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 11, Moscow, Nov 1950, pp 1601-1614.

CIA/FDD/U-6160

USSR

Sci - Physics, underwater acoustics 17,231

Jul 54 CTS

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

Aklmov, G. V.
INTERKRISTALLINE KORROSION DER LEGIERUNGEN (Mezhkristallitnaya Korroziya Sllavov). [1961] [17]p. 26 refs. [DSIR LLU] M 2103.
Order from OTS or SLA $1.60 61-13598
61-17373

Trans. in German of A[kademiya] N[auk] SSSR. Otdelenlye Khimicheskikh Nauk. Izvestiya, 1951, no. 1, p. 13-25 (pub. in Sowjetwissenschaft. Naturwissenschaftliche [Beitrage] (West Germany) 1951, v. 4, no. 2.

DESCRIPTORS: *Alloys, *Corrosion, *Metallic crystals.

(Metallurgy--Corrosion, TT, v. 6, no. 3)

61-13598

I. Aklmov, G. V.
II. DSIR LLU M. 2103

175260

Office of Technical Services

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

Freidlin, L. Kh., Neimark, I. E., Fridman, G. A., and Sheinfain, R. Yu.
PROMOTING OF SILICA GELS OF DIFFERENT POROSITIES. [1963] 18p 6refs
Order from OTS or SLA $1.60 63-18676

Trans. of Akademiya Nauk SSSR. Otdelenie Khimicheskikh Nauk. Izvestiya, 1951, no. 1, p. 86-94.

DESCRIPTORS: *Silicon compounds, Dioxides, *Gels, Porosity, Copper, Catalysis, Chemical reactions, Benzenes, Chlorides.

The influence of copper upon the catalytic properties of silica gels of various porosities was investigated. Apart from its promoting action, copper regenerates silica gel poisoned by mineral admixtures, enhances its thermal stability and selectivity, and overcomes the diffusional retardation of the reaction. (Author)
(Chemistry--Organic, TT, v. 10, no. 11)

63-18676

I. Freidlin, L. Kh.
II. Neimark, I. E.
III. Fridman, G. A.
IV. Sheinfain, R. Yu.

Office of Technical Services

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Determination of the Individual Composition of Straight-Run Gasolines by the Combination Method, by G. S. Landsberg, B. A. Kazanskiy.

RUSSIAN, bimo per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 2, 1951, pp 100-114.

Assoc Tech Sv RJ-224
$26.10

Scientific - Chemistry
CTS 73/Oct 1955

27,491

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

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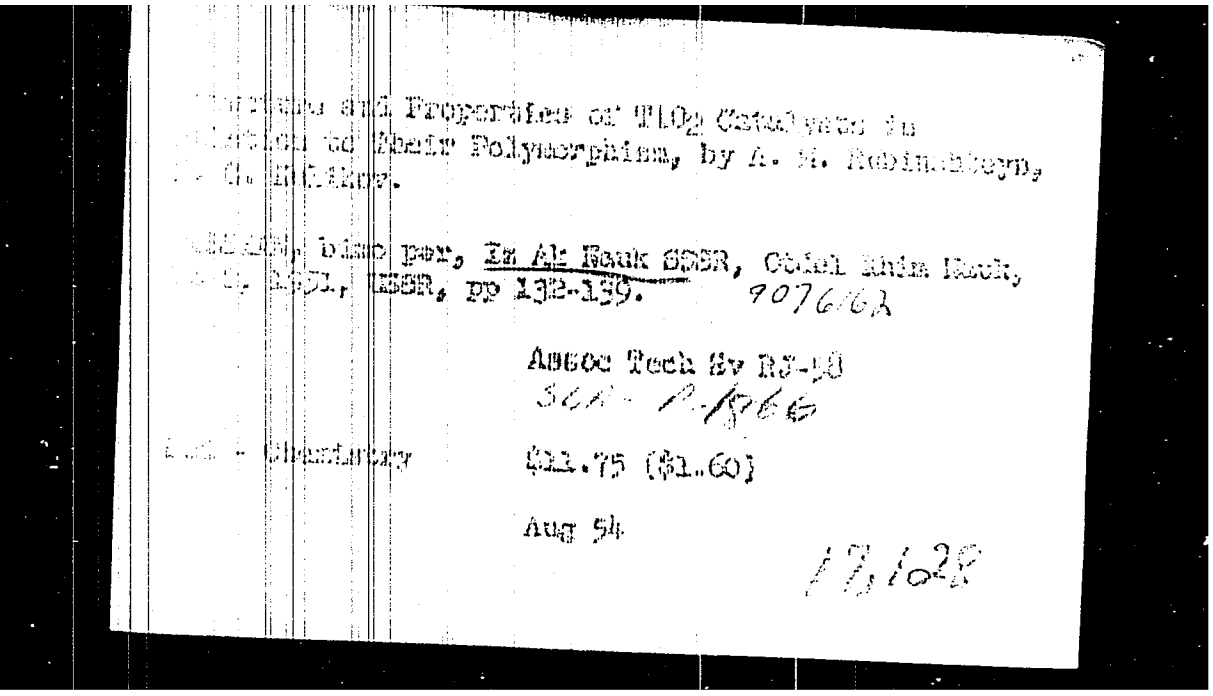

...ties and Properties of TiO2 Catalysts in ...ation to Their Polymorphism, by A. M. Rubinshteyn, ... Kiselev.

...blishing house per, In Ak Nauk SSSR, Otdel Khim Nauk, ... 1957, USSR, pp 132-139. 907662

Aberdeen Tech Br RD-50
Serial 2-1766

... - Chemistry $11.75 ($1.60)

Aug 54

17,628

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

Reductive Catalytic Amination of Keto Ketones,
by M. A. Popov, N. I. Shmidkin. UECL

RUSSIAN, per, Is Ak Nauk SSSR, Otdel Khim Nauk,
No 2, 1950 1951, pp 140-144.

DSIR LIB (Lond) M.214
SLT 5[illegible] 1967

Sci - Chem
May 59

87,892

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

The Active Structure of the Nickel-Hydrogen Catalyst, by L. Kh. Freydlin, N. I. Ziminova.

RUSSIAN, 4p
No per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 2, 1951, pp 145-149.

Assoc Tech Sv
RJ-392

Sci - Chemistry

Aug 1956

$7.20

36,943

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

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On the Problem of the Energetics of the Formation and Phase Transformations of Alloys of the System Al-Zn, 22 pp, by LYASHENKO, V. S.

RUSSIAN, no per, Ak Iz/Nauk SSSR, Otdel Khim Nauk, No 3, pp 242-254, 1951.

British Sci Museum No 52/1629

F.R.Z.

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

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The Action of Strong Mineral Acids on Some Phosphoric and Esters, by A. E. Arbuzov, P. I. Alimov, 9 pp.

RUSSIAN, per, Izvestiya Aka Nauk SSSR, Otdelenie Khimicheskikh Nauk, No 3, 1951, pp 268-272.

Sci Tr Center RT 3611
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Chemistry

Jun 56 CTS

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

The Reaction of Isoamylmercaptan With Acetylene, by A. Kh. Khomenko.

RUSSIAN, bimo per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 3, 1951, USSR, pp 280-283.

Assoc Tech Sv RJ-65

Sci - Chemistry

$6.20 ($0.95)

Aug 54

17,133

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

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Preparation of Monoethanolaryl Amines From Ethylene Oxide and Aryl Amines, by Yu. K. Yur'ev et al.

RUSSIAN, bimo per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 3, 1951, USSR, pp 317-320.

Assoc Tech Sv RJ-66

Sci - Chemistry $6.90 ($0.95)

Aug 54

17,134

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

Levina, R.Ya., Fainzilberg, A.A.and others.
SYNTHESE VAN KOOLWATERSTOFFEN.RAPPORT 25.SYNTHESE VAN ALKENEN MET EEN QUATERNAIR KOOLSTOFATOOM DOOR PYROLYSE VAN ACETATEN (Synthesis of hydrocarbons.25.Synthesis of alkenes with a quaternary carbon atom by means of pyrolysis of the acetates). 13 p. 31 refs. MTWL:499. (Text in Dutch)
Order from OTS or ETC $0.80 61-17018

Trans.of Akademiya Nauk SSSR.Otdelenie Khimicheskikh Nauk.Izvestiya (USSR) 1951, no.3, p.321-327.

61-17018
1. Hydrocarbons -Synthesis
2. Ethylenes - Synthesis
I. Levina, R.Ya.
II. Fainzilberg, A.A.
III. MTWL-499
IV. Stichting Moeilijk Toeganke-lijke Wetenschappelijke Literatuur

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APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

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Synthesis and Transformations of Vinyl Ethers of Ethanolamines. I. Vinylation of Monoethanolamine, by M. F. Shostakovskiy et al.

RUSSIAN, bimo per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 3, 1951, USSR, pp 328-333.

Assoc Tech Sv RJ-67

Sci - Chemistry

$9.90 ($1.35)

Aug 54

17,135

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

Thermographic Investigation of Phosphates. Part I. Thermal Dehydration of Dicalcium Phosphate Dihydrate, by S. I. Vol'fkovich and V. V. Urusov.

Full translation.

RUSSIAN, bimo per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 4, 1951, pp 341-349.

Assoc Tech Sv Tr RJ-99

Scientific - Chemistry

Mar 53 CTS $17.60 ($2.25)

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

Reaction of Potassium Peroxide With Carbon Dioxide, by S. Z. Makarov, I. Vol'nov. RUSSIAN, per, Izvestiya Akademii Nauk, Otdeleniye Khimicheskikh Nauk SSSR, No 4, 1951, pp 370-376. NASA TT F-11,478

Sci
Dec 68

371,103

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

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Conference on the Theory of Structure in Organic Chemistry,

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 5, 1951, pp 634-652.

DSIR LLU M.1338

(loan)

Ind. - Org Chem

Apr 60

112, 664

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

On the Method of Thermal Analysis of Systems with a Volatile Component, by B. A. Nikitin, M. P. Kovalskaya, Pushlenkov, 6 pp.

RUSSIAN, Per, Iz Ak Nauk SSSR: Otdel Khim Nauk, 1951, No 6, pp 661-665.

SLA 59-10278

Sci
Oct 59
Vol 2, No 3

OTS 61-11278

99 876

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

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Electron Diffraction Investigation and Crystal Chemistry of $K_2PtCl_4NH_3$ and $K_2PtBr_4NH_3$, by G. B. Bokyi, B. K. Vainshtein, A. A. Baharenko, 12 pp.

RUSSIAN, biwo per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 6, 1951, pp 667-673.

Sci Tr Center
RT-4051

39,859

Sci-[redacted] Chemistry
Oct 1956 CTS/Gex

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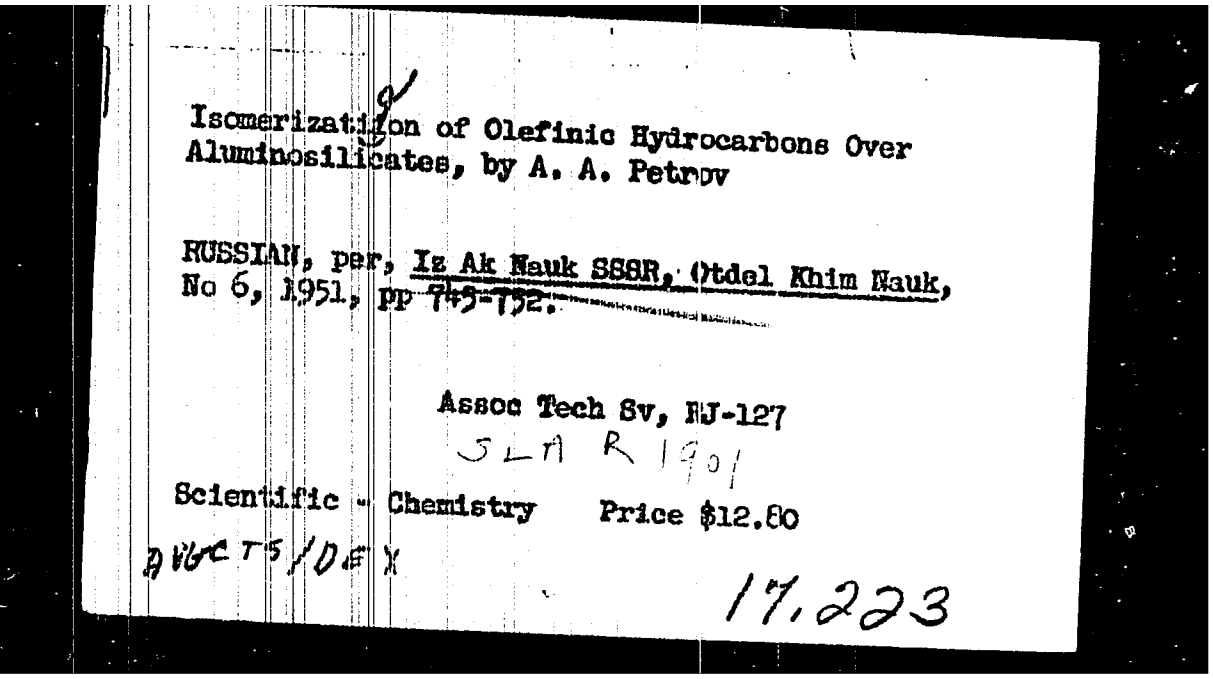

Isomerization of Olefinic Hydrocarbons Over Aluminosilicates, by A. A. Petrov

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 6, 1951, pp 749-752.

Assoc Tech Sv, NJ-127

SLA R 1901

Scientific - Chemistry Price $12.80

17.223

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

Catalytic Hydrocondensation of Carbon Monoxide With Olefins, Part VI. Hydrocondensation of Carbon Monoxide With n-Butylene, by Ya. T. Eydus

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 6, 1951, pp 722-727.

Assoc Tech Sv, RJ-130

Scientific - Chemistry
Aug CFS/ DEX Price $9.00

17,225

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

Stakheeva-Zaveznaya, E. D. and Salova, A. S.
CHEMICAL CHANGES OF CELLULOSE MACROMOLECULE UNDER THE ACTION OF OXIDIZING AGENTS. IV. Lactone links in the macromolecule of oxycellulose and their effect on determination of carboxyl groups by condensation with hydroxylamine.
Invest. Akad. Nauk. SSSR., Otdel. Khim. Nauk 1951: 782-790.
RUSSIAN

☆ PL 480
ARS

APR 61

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

Chemical Changes of Cellulose Macromolecule Under the Action of Oxidizing Agents. Part 5. Proof of Existence of ~~Oxyce~~ alpha-hydroxymonoketone groups in Oxycellulose, by E. D. Stakheyeva-Kaverzneva.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk 1951, pp 791-794.

*PL 480
ARS

aper 61

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

Effect of Very High Pressures on the Catalytic Activity of Aluminum Oxide, by L. F. Vereshchagin, L. K. Freidlin, A. M. Rubinshtein and I. U. Numanov, 10 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 6, 1951, pp 809-818.

Assoc Tech Serv
RJ-129
SLA 1902

[redacted]

17,224

Sci

Aug 58

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

The Distribution of π-electron Density and Interatomic Distances, by G. V. Bykov.

Full translation.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 6, USSR, 1951, pp 823-828.

AEC Tr 1341

Scientific - Physics

Aug 52 CTS DEX

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

RUSSIAN, per. Iz AK Nauk, Otdel Khim Nauk, 1952,
translated for the entire year, one issue has just been
printed, two more are typed and now ready to go to press.

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Synthesis of 1.10-Decanedicarboxylic and 1.14-Tetradecanedicarboxylic Acids, by A. N. Nesmeyanov, et al,
RUSSIAN, por, Izv. AN SSSR Otdel. Khim. Nauk, No 4, 1955, pp 657-664.
MIL 5828.4F (5906)

Sci-Chem
Apr 67

324,168

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

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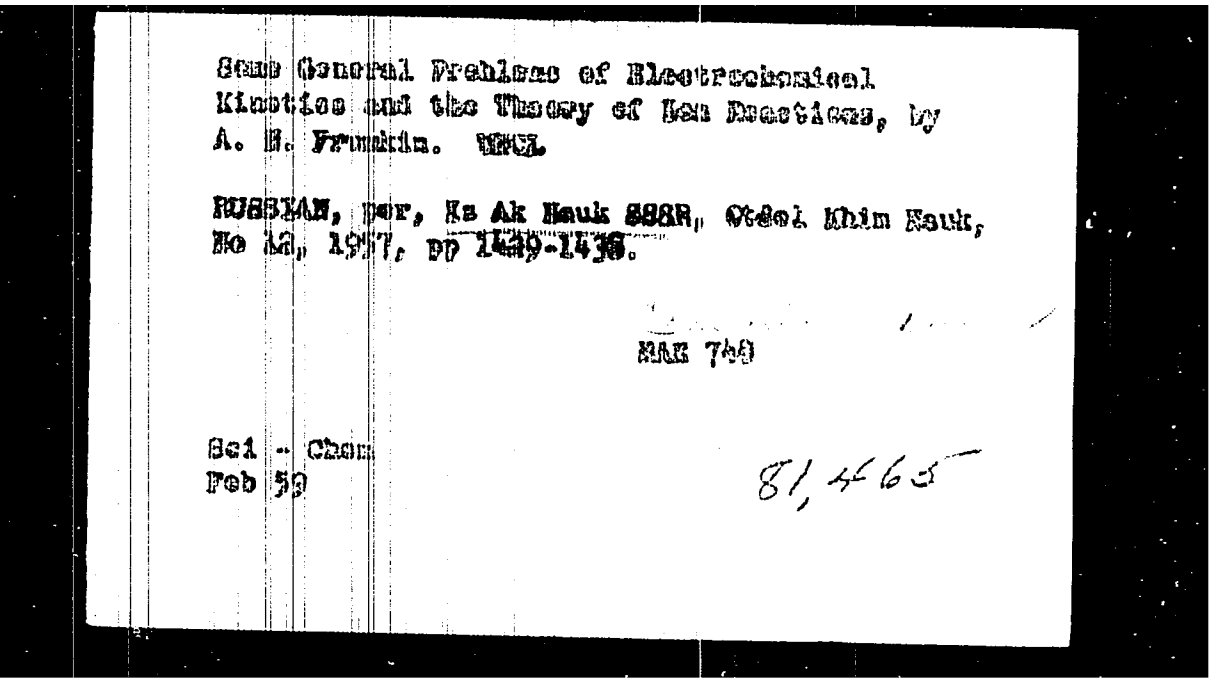

Some General Problems of Electrochemical Kinetics and the Theory of Ion Reactions, by A. N. Frumkin. Mkt.

RUSSIAN, per, Ks Ak Nauk SSSR, Otdel Khim Nauk, No 12, 1957, pp 1429-1436.

MAR 749

Sel - Chem
Feb 59

81,465

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

Investigation of the Adsorption of Aluminum Hydroxide and Hydroxide, by
A. M. Rubinshteyn, Yu. A. Yel'tekov.
RUSSIAN, per, Izv AN SSSR, Otd Khim Nauk,
No 12, 1960, pp 2107-2117.
NTC 69-11403-07D

Sci-Chem
July 69

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APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

Investigation of the Adsorption of Aluminum Hydroxide and Hydroxide, by A. M. Rubinshteyn, Yu. A. Yel'tekov. RUSSIAN, per, Izv AN SSSR, Otd Khim Nauk, No 12, 1960, pp 2107-2117.
NTC 69-11403-07D

Sci-Chem
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APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

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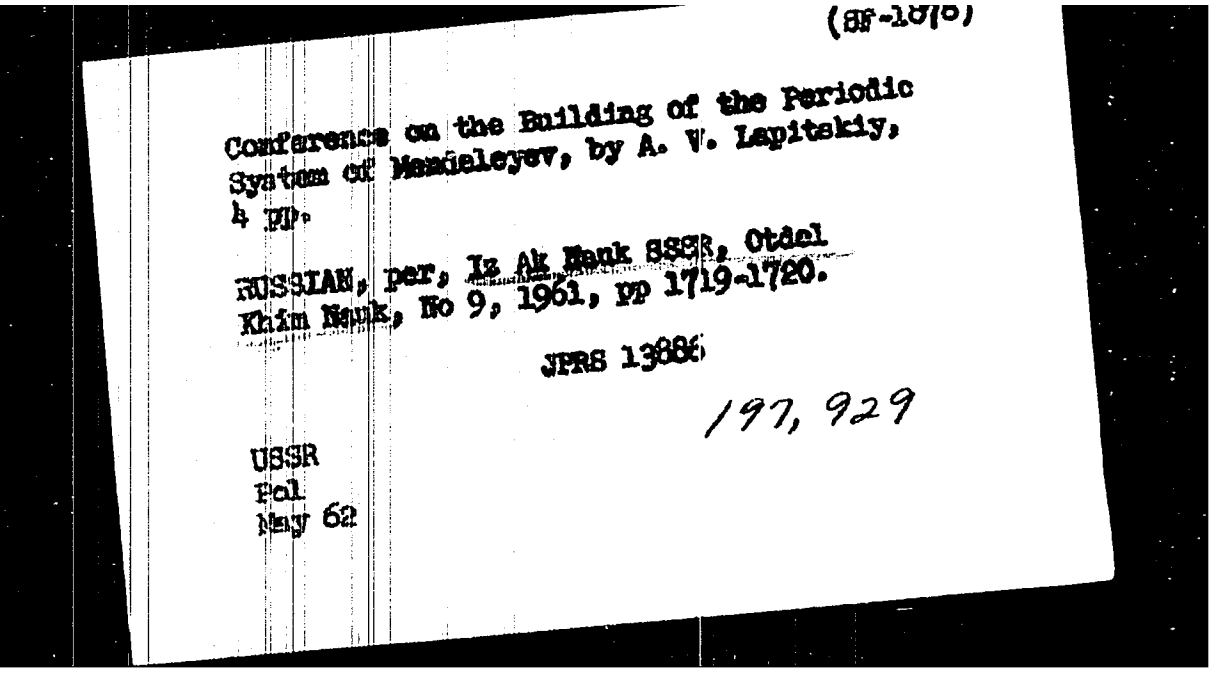

(SF-1070)

Conference on the Building of the Periodic Syatem of Mendeleyev, by A. V. Lapitskiy, 4 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 9, 1961, pp 1719-1720.

JPRS 13886

197, 929

USSR
Pol
May 62

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

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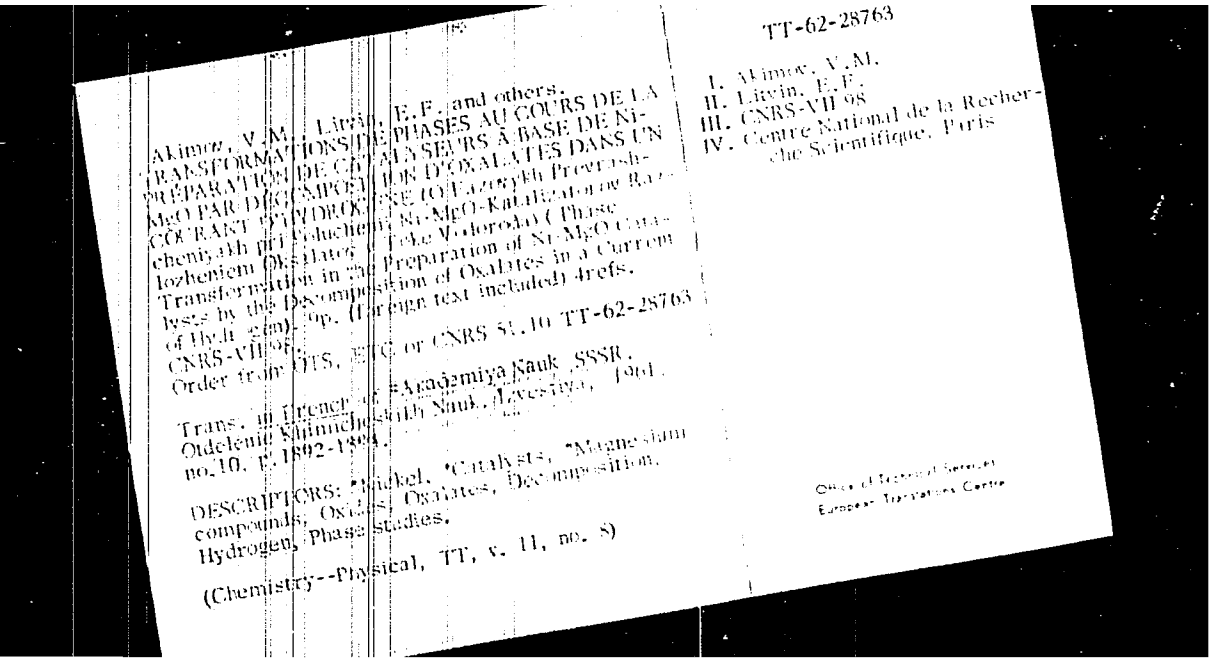

Akimov, V.M. Litvin, E.F. and others.
TRANSFORMATIONS OF PHASES AU COURS DE LA
PREPARATION DE CATALYSEURS À BASE DE Ni-
MgO PAR DECOMPOSITION DES OXALATES DANS UN
COURANT D'HYDROGENE. (Transformations of Phases in the Preparation of Ni-MgO-Katalizatorov Razlozheniem Oksalatov v Tekuchem Vodorode) (Phase Transformation in the Preparation of Ni-MgO Catalysts by the Decomposition of Oxalates in a Current of Hydrogen) 40p. (Foreign text included) 4refs.
CNRS-VII98.
Order from OTS, ITC or CNRS SL.10 TT-62-28763

Trans. in French from Akademiya Nauk SSSR,
Otdeleniye Khimicheskikh Nauk, Izvestiya, 1961,
no.10, p.1892-1896.

DESCRIPTORS: *Nickel, *Catalysts, *Magnesium compounds, Oxalates, Decomposition, Hydrogen, Phase studies.

(Chemistry--Physical, TT, v. 11, no. 8)

TT-62-28763

I. Akimov, V.M.
II. Litvin, E.F.
III. CNRS-VII 98
IV. Centre National de la Recherche Scientifique, Paris

Office of Technical Services
European Translations Center

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

Derivatives of Perfluodiacarbonic Acids, by
I. L. Knunyants, M. P. Krasuskaya.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 1, 1963, pp 190-192.

*FTD-TT-63-463

Sci - Chem
May 63

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

Synthesis of Cesium Ozonide Through Cesium Superoxide, by I. I. Bol-nov, V. V. Matveyev, 9 pp. RUSSIAN, per, Izvestiya Ak Nauk SSSR, Otdel Khim Nauk, No 6, 1963, pp 1136-1139. 9692329
FTD-TT-64-194

Sci - Chem
May 64

257,649

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

Shcheglova, A. P., Bogdanova, O. K., and Balandin, A. A.
CATALYTIC DEHYDROGENATION OF THE ISOMERIC ISOPENTENES. PT. 2 DEHYDROGENATION OF 2-METHYL-1-BUTENE AND 3-METHYL-1-BUTENE. [Jan 64] 7p
Order from ATS $8.50 ATS-27Q73R

Trans. of *Akad[emiya] Nauk SSSR. Otd[elenie] Khim[icheskikh] Nauk. Izv[estiya] 1963, no. 7, p. 1210-1215.

DESCRIPTORS: *Pentenes, Molecular isomerism, *Dehydrogenation, Catalysts, Methyl radicals, *Butenes.

(Chemistry--Organic, TT, v. 11, no. 10)

TT-64-12375

1. Title: 2-methyl 1-butene
I. Shcheglova, A. P.
II. Bogdanova, O. K.
III. Balandin, A. A.
IV. Title: Dehydrogenation...
V. ATS-27Q73R
VI. Associated Technical Services, Inc., East Orange, N. J.

Office of Technical Services

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

Bogdanova, O. K., Shcheglova, A. P., and Balandin, A. A.
CATALYTIC DEHYDROGENATION OF THE ISOMERIC ISOPENTENES PT. 3. EFFECT OF STRUCTURE ON THE CATALYTIC CONVERSION OF ISOPENTENES.
[Jan 64] 5p
Order from ATS $8.50 ATS-28Q73R

Trans. of #Akad[emiya] Nauk SSSR. Otd[elenie] Khim[icheskikh] Nauk. Izv[estiya] 1963, no. 7, p. 1213-1219.

DESCRIPTORS: *Pentenes, Molecular isomerism, *Dehydrogenation, Catalysts, Molecular structure.

(See also ATS-27Q 73R)

(Chemistry--Organic, TT, v. 11, no. 10)

TT-64-12376

I. Bogdanova, O. K.
II. Shcheglova, A. P.
III. Balandin, A. A.
IV. ATS-28Q73R
V. Associated Technical Services, Inc., East Orange, N. J.
VI. Title: Effect . . .

Office of Technical Services

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

The Reaction of Propylene with Palladium Chloride in Acetic Acid Solutions, by I. I. Moiseyev.
RUSSIAN, per, Izv Ak Nauk SSSR, Otd Khim Nauk,
No 8, 1963, pp 1527-1528.
ATS RJ-5176

Sci-Chem
July 69

385,743

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

The Reactions of Nitrogen Atoms Communication 3. The Rate Constant and the Mechanism of the Elementary Reaction of Nitrogen Atoms With Acetylene, by L. I. Avramenko, V. M. Krasnenkov, 10 pp. RUSSIAN, per, Iz Ak Nauk, Otdel Khim Nauk, Ser Khim, No 5, 1964, pp 822-825. 9229082
AEC-tr-12

Sci- Chem
Jul 65

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APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

(8F-1433).

Viktor Vladimirovich Vinogradov, by N. S. Pospelov, 16 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Literatury i Yazyka, Vol XIV, 1955.

JPRS 4429

USSR

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Mar 61

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APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

J-4986 (DC-2949).

Egyptian Literature at a New Stage, by A. F. Sultanov, 15 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Literatur' i Yaz'ka, Vol XIV, No 1, 1955, pp 63-72.

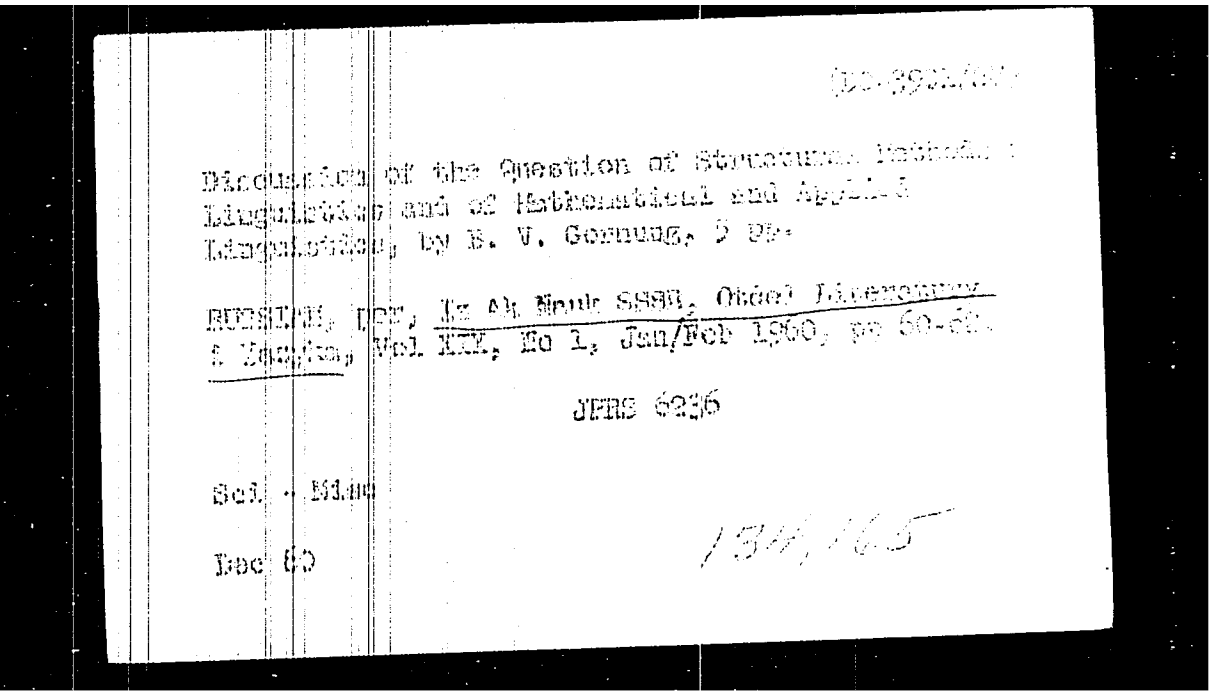
JPRS-L-1791-D

NE/A - Egypt
Soc - Culture, Egyptian Literature
Jul 59

92,859

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7



Discussion of the Question of Structural Methods in Linguistics and of Mathematical and Applied Linguistics, by B. V. Gnedenko, 2 pp.

RUSSIAN, DSP, In Ab Nauk SSSR, Otdel Literatury i Yazyka, Vol XIX, No 1, Jan/Feb 1960, pp 60-62.

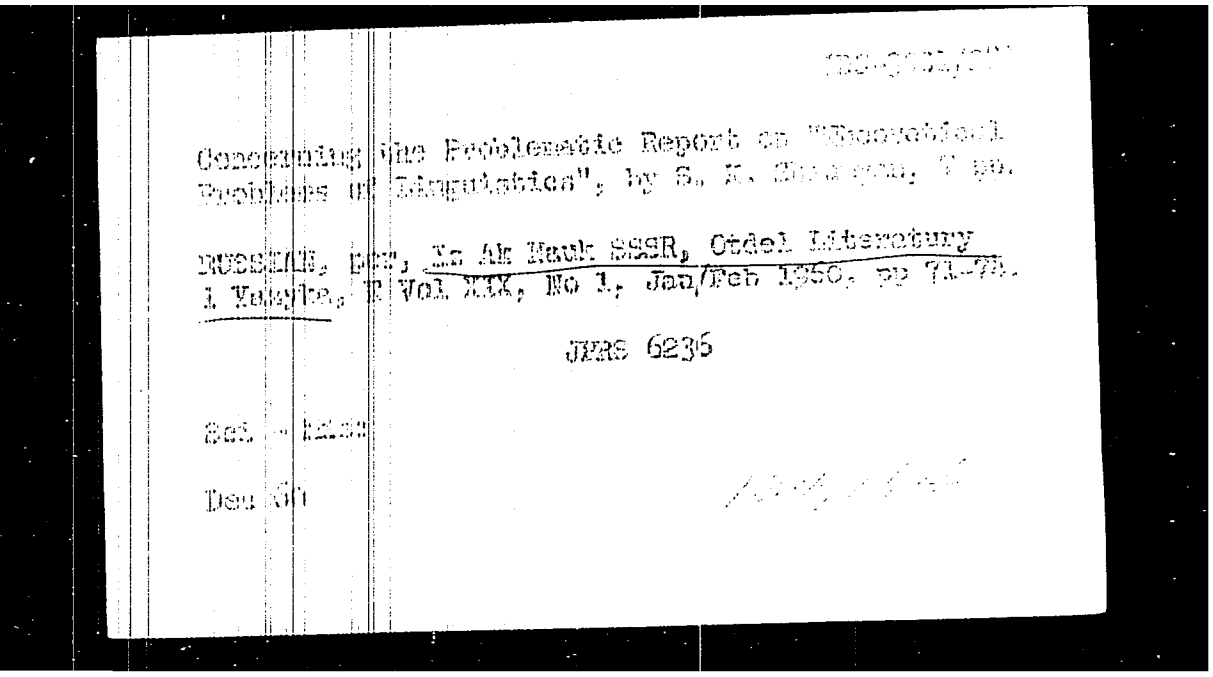
JPRS 6236

Sel + Mimeo

Dec 60

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7



Concerning the Problematic Report on "Discontinuous Problems of Integration", by S. L. Sobolev, 7 pp.

RUSSIAN, pub, Ye Ak Nauk SSSR, Otdel Matematiky i Yestestv., Vol XIX, No 1, Jan/Feb 1950, pp 73-78.

JPRS 6236

Sec [illegible]

Dec 50

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

(DC-6877)

THE 22ND CONGRESS OF THE CPSU AND THE TASKS OF THE PHILOLOGICAL SCIENCES, BY V. V. VINOGRADOV, 27 PP.

RUSSIAN, PER, IZ AK NAUK SSSR, OTDEL LITERATURA I YAZMYKA, VOL XXI, NO 1, JAN/FEB 1962, PP 3-13.

JPRS 14391

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POL
JUL 62

202,303

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

(DC-3901)

URGENT PROBLEMS OF STRUCTURAL LINGUISTICS,
BY S. K. SHAUMYAN, 15 PP.

RUSSIAN, PER, IZ AK NAUK SSSR, OTDEL LITERA
I YAZYKA, VOL XXI, NO 2, MAR/APR 1962,
PP 103-111.

JPRS 14252

SCI - MISC
MACHINE TRANSLATION 201,936

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

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Propagation of Disturbances in Nonhomogeneous Isotropic Media, by V. Ignatovskiy, 54 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Matemat i Estestvennykh Nauk, Vol V, No 7, 1932, pp 857-905.

Air Res and Dev Command

13,615

Scientific - Physics CIS/DEX

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

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Wave Propagation and Refraction in Nonhomogeneous Isotropic Media, by V. Ignatovskiy, 16 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Matemat i Estvennykh Nauk, Vol V, No 8, 1932, pp 1203-1218.

Air Res and Dev Command

Scientific - Physics CTS/DEK

13,616

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

Problem of the Torsion of a Circular Cylinder Reinforced with a Longitudinal Circular Rod, by A. K. Rukhadze, I. N. Vekua,

RUSSIAN, per, Iz Ak Nauk, VII Seriya. Otdel Matemat i Estestvennykh Nauk, No 3, 1933, pp 373-386.

Sci Tr Center
FTD T.455
18,940

Scientific - Mathematics

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

Vernal and Hiemal Races Among Anadromous Fishes, by L. S. Berg.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Matemat i Estestvennykh Nauk, No 5, 1934, pp 711-732.

Dept of Interior
QH301, C273, No 206

Sci - Biol
Sep 60

127,961

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

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The Interaction of Genes Affecting the Wing in Drosophila Melanogaster, by N. V. Dubovsky.

114A

RUSSIAN, per, Izvest Ak Nauk SSSR, Otdel Mat Est, Nauk, VII series, 1935, pp 1163-1168.

*PI, 480
NLM

Mar 61

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

The Extension of Schreinemakers' Method to Multicomponent Systems, by P. Perel'man, 11 pp. UNCLASSIFIED

RUSSIAN, per, Iz Ak Nauk, Otdel Mat i Estestv. No 2, 1936, 379-385.

AEC Tr 1914

Scientific - Mathematics

15,135

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

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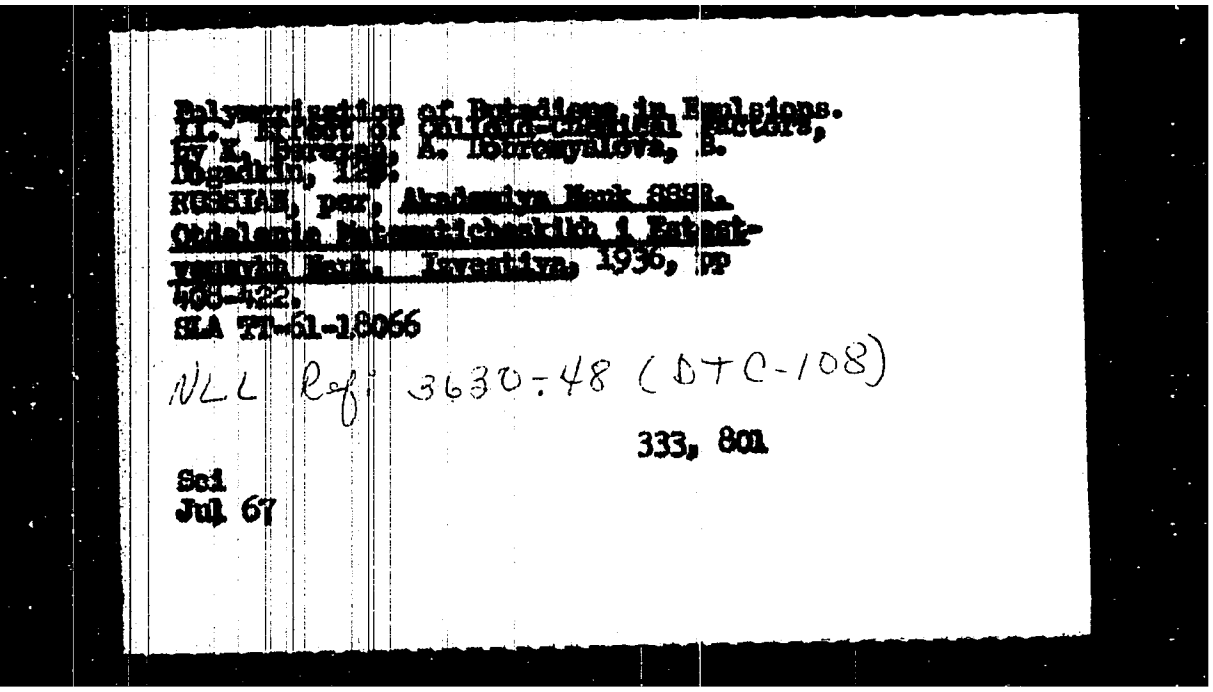


Polymerization of Butadiene in Emulsions.
II. Effect of Chain-Transfer Agents,
by L. Bateman, A. Tolstoguzova, E.
Bogachkin, [illegible];
RUSSIAN, per; Akademiya Nauk SSSR.
Otdeleniye Khimicheskikh i Fiziko-
Khimicheskikh Nauk. Izvestiya, 1936, pp
403-422.
SLA TT-61-18066

NLL Ref: 3630-48 (DTC-108)

333, 801

Sci
Jul 67

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

Kazanskiĭ, B.A. and Smirnova, N.V.
HYDROGENATION OF AROMATIC HYDROCARBONS BY MEANS OF CALCIUM-AMMONIA. 11 p. 10 refs.
MTWL: 608.
Order from OTS or ETC $1.55 61-17247

Trans. of Akademiya Nauk SSSR, Otdelenie Matematicheskikh i Estestvennykh Nauk, Izvestiya, 1937, p. 547-554.

DESCRIPTORS: *Benzenes, Hydrocarbons, Calcium, Ammonia, *Hydrogenation.

61-17247

I. Kazanskiĭ, B.A.
II. Smirnova, N.V.
III. MTWL-608
IV. Stichting Mocilijk Toegankelijke Wetenschappelijke Literatuur

Office of Technical Services

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

Equilibrium Diagram for the System Aluminium-Lithium, by F. I. Shamrai, P. Ya. Sal'dau.

RUSSIAN, per, Iz Ak Nauk Otdel Mate mat i estes Nauk, 1937, pp 631-640.

Fulmer Research Inst, Ltd.
Tr 65 OT/1721
Sci Mus Lib - 66/0587

Sci - Minerals/Metals, Physics

36, 3/2

Jun 1956

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

On the Theory of Passivity and the Corrosion of Metals, by P. D. Dankov, 8 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Matemat i Estest Nauk, 1938, pp 1249-1254.

Sci Trans Center
RT-2372

26,785

Scientific - Chemistry
Min/Metals Sep 55 CTS/DEX

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

Serological Investigations in Connection with Distant Hybridization, by I. I. Sokolovskaya. RUSSIAN, per. Izvestiya Akad.nauk SSSR Otd. mat. nauk, 1938, pp 947-956.
NLL Ref: RTS 4043

Sci/B & M
Feb 68

349,652

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

Belgovsky, M. L.

Dependence of the Frequency of Minute Chromosome Rearrangement in D.m. Upon X-Ray Dosage.

RUSSIAN, per, Iz. Ak. Nauk SSSR, Ser. biol., II, 1939, pp. 159-170.

*PL 480
OTS 61-11484

Nov 61

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

Prokofyeva-Belgovskaya, A. A.

Cytological Study of the "Simple Breaks" in the Inert Region of the Scute 8 Chromosome of D.m.

RUSSIAN, PER, Iz. Ak. Nauk SSSR, Otd. Mat., Ser. biol. 1939. pp. 349-361.

*PL 480
OTS 61-11482

Nov 61

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

Cytological Study of the Breaks at the White Locus of the X-Chromosome of D. m., by A. A. Prokofyeva-Belgovskaya.

RUSSIAN, Per, Izvestiya Ak Nauk SSSR, Otd Mat - Est, Ser Biol, XXIX No 2, 1939, pp 215-227.

*PL 480
NLM

Mar 61

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

Geological Results of Gravimetric Surveys in Central Asia and Southeastern Kazakhstan, by A. D. Arkhangel'skiy, T. V. Rozanskiy.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Matemat i Yestest Nauk, Ser Geolog, No 1, 1936, pp 3-33.

ACIC

215,896

Sci - Geophys

Oct 62

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

Functions in Normed Closed Algebraic Fields,
by L. G. Shnirel'man.

RUSSIAN, per; Iz Ak Nauk Otdel Matemat i Yestestv
Nauk Seriya Matemat, No 5-6, 1938, pp 487-498.

*Navy/APL 277

Sci - Math & Data Process
Sep 63

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

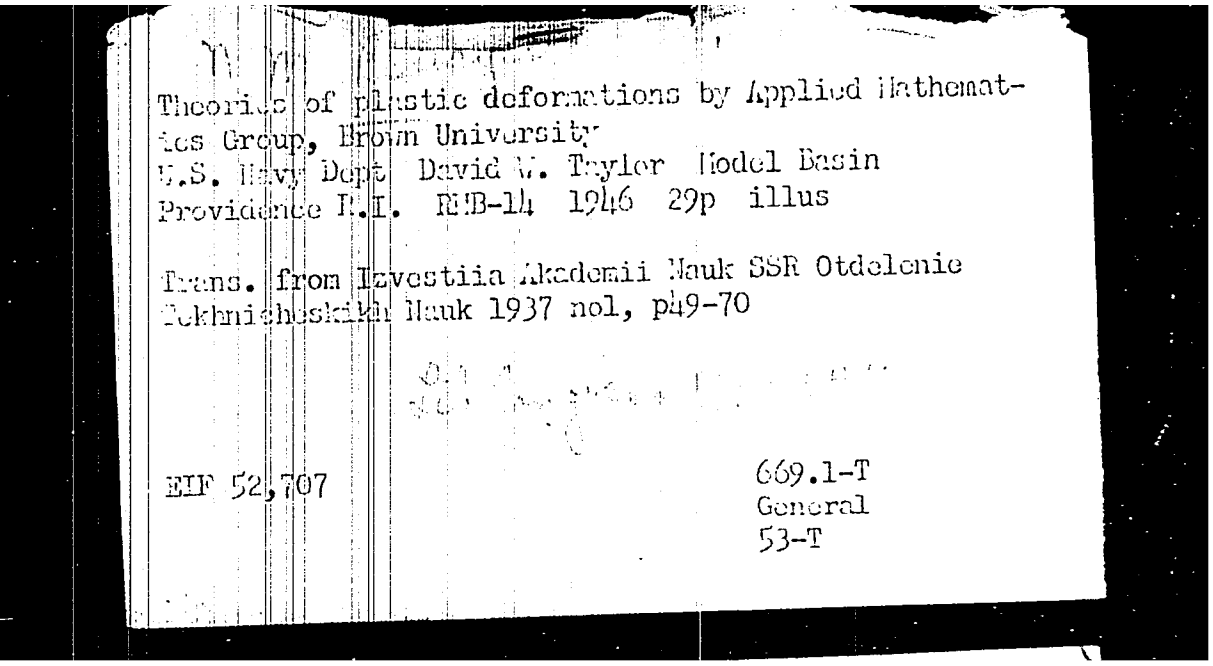
Methods and Special Features of Introducing Ultrasonic Vibrations into Liquid Metals, by I. I. Teumin. RUSSIAN, per, Izvest. Akad. Nauk SSSR, OTN, Metallurgiya i Toplivo, No 1, Jan-Feb. 1961, pp 24-30. Hb 6371

Sci/MtM
Apr 65

277,099

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7



Theories of plastic deformations by Applied Mathematics Group, Brown University
U.S. Navy Dept David W. Taylor Model Basin
Providence R.I. RB-14 1946 29p illus

Trans. from Izvestiia Akademii Nauk SSR Otdelenie Tekhnicheskikh Nauk 1937 no1, p49-70

EIF 52,707

669.1-T
General
53-T

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

Tricalcium Phosphate and its Thermal Properties, by E. T. Britzke and V. K. Veselovskiy, 14 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 4, 1937, pp 479-488.

SLA R-2578

72,128

Sci

Aug 58

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

Stresses and Strains in Thick-Walled Cylinders in the Elastic-Plastic State, by N. M. Belyaev, A. K. Sinitskiy, 88 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 2, 1938, pp 3-54.

Sci Trans Center RT-360

10,885

Scientific - Physics
CTS/DEX

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

Porai-Koshits, B. A. and Efros, A. M.
INVESTIGATION IN THE FIELD OF FLUORENE. I. CONDENSATION OF 2,7-DIAMINOFLUORENE WITH PHTHALIC ANHYDRIDE (EXPERIMENTAL PART)
Z. [D.] Knowles, tr. 15 Nov 50, 19p
Order from OTS, SLA, or ETC $1.60 TT-61-28208

Partial trans. (p. 51-58) of Akad[emiya] Nauk SSSR. Otdel[enie] Tekhnich[eskikh] Nauk. Izvestiya, 1938, no. 3, p. 43-60.

DESCRIPTORS: *Phthalic anhydride, Condensation reactions, *Amines, *Fluorenes, Chemical analysis.

(Chemistry--Organic, TT, v. 11, no. 5)

TT-61-28108

I. Porai-Koshits, B. A.
II. Efros, A. M.
III. Title: Condensation...
IV. National Institutes of Health, Bethesda, Md.

Office of Technical Services

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

Stresses and Strains in Thick-Walled Cylinders in the Elastic-Plastic State With Allowance for Strain-Hardening, by N. M. Belyaev, A. K. Sinitskiy, 40 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 4, 1938, pp 21-49.

Sci Trans Center RT-293

10,886

Scientific - Physics
CTS/DEX

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

rface Oxidation of Metals in the Surrounding Air,
T. N. Krylova. UNCLASSIFIED

ZHFKhN, per, Iz Ak Nauk, Otdel Tekh Nauk, No 10,
38, pp 89-112.

Navy Tr 1063/NRL 493

Metallic - Min/Metals

18,846

PT-K

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

Lukyanov, V. S.
HYDRAULIC APPARATUS FOR ENGINEERING COMPUTATIONS, tr. by Dmitry Vergun. Permafrost Investigations, 1955. Jun 55 [32p] ACFEL Trans. 26. Order from OTS, SLA, or ETC TT-63-15696

Trans. of Akademiya Nauk SSSR. Otdelenie Tekhnicheskikh Nauk, Izvestiya, 1959, no. 2, p. 53-67.

DESCRIPTORS: *Analog computers, *Hydraulic models, Temperature, Concrete, Permafrost, Soil mechanics, Differential equations, Civil engineering.

(Engineering--Civil, TT, v. 11, no. 5)

TT-63-15696

I. Lukyanov, V. S.
II. Title: Permafrost ...
III. ACFEL Trans-26
IV. Arctic Construction and Frost Effects Lab., Corps of Engineers, Waltham, Mass.

Office of Technical Services

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

Prandtl's Two-Dimensional Theory of Plasticity and the Theory of Earth Pressure, by V. V. Sokolovskiy, 35 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 2, 1939, pp 107-128.

Sci Trans Center PT-297

Scientific - Physics
CTS/DEX

10,911

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

Berents, L. I. and Glushnev, V. E.
VAPOR PHASE OXIDIZING CRACKING OF OIL PRODUCTS. 19p 17refs
Order from OTS, SLA, or ETC $1.60 TT-61-16978

Trans. of Akademiyi Nauk SSSR. Otdelenie Tekhnicheskikh Nauk (Izvestiya), 1939, no. 3, p 85-109.

(Materials Tech, TT, v. 12, no 4)

TT-61-16978

I Berents, L. I.
II. Glushnev, V. E.

Office of Technical Services

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

The Two-Dimensional Problem of the Steady Oscillations of Bodies Under the Free Surface of a Heavy Incompressible Liquid, by N. E. Kochin, 41 pp.

RUSSIAN, mo per, Iz Ak Nauk, Otdel Tekh Nauk, No 4, 1939, pp 37-62.

Sci Mus Lib No 56/3064

Sci - Physics

44,032

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

Precise Measurements for the Determination of the Strength of Coke Materials, by K. I. Sliskov.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 2, 1940.

*BISI 2398

Sci - Engr

CRL/T.976

Sep 61

list 110

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

Volarovich, M. P.
EFFECT OF PRESSURE UP TO 1000 KILOGRAMS PER SQUARE CENTIMETER ON THE VISCOSITY OF HIGHLY VISCOUS LIQUIDS SUCH AS LUBRICATING OILS. [1961] 7p. 14 refs.
Order from OTS or SLA $1.10 61-16956

Trans. of Akademiya Nauk SSSR. Otdelenie Tekhnicheskikh Nauk. Izvestiya, 1940, no. 3, p. 27-34.

DESCRIPTORS: *Lubrication, *Oils, *Viscosity, Liquids, Pressure, Temperature, Test equipment.

A special apparatus for examination of the viscosity of liquids or molten solids at elevated pressures and temperatures is described. With the aid of this apparatus, automobile oils, cylinder oil, aviation oil, machine oil, a residual oil, rosin and two sugar solutions in glycerin were tested. The viscosity of the lubricating oils was found to greatly increase with rise of the
(Materials--Fuels, TT, v. 6, no. 9) (over)

61-16956

I. Volarovich, M. P.

185413

Office of Technical Services

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

Relation Between the Laws of the Distribution of Crystals by Dispersion and the Kinetics of Crystallization, by S. Z. Roginskii, O. M. Todes. RUSSIAN, per, Izv. AN SSSR OTN, No 3, 1940, pp 331-348.
NLL 5828.4F (11775)

Sci - Chem
Sept. 67 340,360

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170048-7

Kusakov, M. M. and Zinchenko, K. E.
PHYSICAL CHEMISTRY OF SURFACE PHENOMENA IN OIL TECHNOLOGY. II. MOLECULAR SURFACE PROPERTIES OF OILS. [1961] 10 p. 19 refs.
Order from OTS or SLA $1.10 61-16832

Trans. of Akademiya Nauk SSSR. Otdelenie Tekhnicheskikh Nauk. Izvestiya, 1940, no. 4, p. 19-38.

DESCRIPTORS: *Oils, USSR, Physical chemistry, Molecules, Surface properties, *Petroleum industry, Recovery.

The surface tension of ten crude oils from the most important Soviet fields and of their solutions in non-polar medicinal oil and non-polar gasoline at the interface with water were determined as a part of an investigation of molecular surface characteristics of crude oils. The surface tension of aqueous and aqueous-alkali extracts of these oils at the boundary with air were also determined. These measurements revealed
(Chemistry--Physical, TT, V. 6, no. 6) (over)

61-16832

I. Kusakov, M. M.
II. Zinchenko, K. E.
III. Title: Molecular...

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Gerasimov, M. M. and Glushnev, V. E.
CRACKING OF GDOV SHALE TAR. [1961] 6p.
Order from OTS or SLA $1.10 61-16890

Trans. of Akademiya Nauk SSSR. Otdelenie Tekhnicheskikh Nauk. Izvestiya, 1940, no. 4, p. 29-35.

DESCRIPTORS: *Coal tar, *Hydrocarbons, Decomposition, Gasoline, Shales.

A steam distilled fraction of shale tar boiling at 200-360°C. and amounting to 60% by weight on the tar was cracked in the vapor and in the liquid phase. Up to 25% gasoline was obtained in the vapor phase at the optimal cracking temperature of 575-600°. At 550°, a pressure distillate was obtained of a lighter fractional composition, but its degree of unsaturation was higher. The vapor phase cracked gases contain up to 40% unsaturated compounds. Liquid phase cracking under 11-75 atmospheres pressure at 375-425°C. gave up to 26.4% gasoline of an inferior quality in comparison (Engineering--Chemical, TT, v. 6, no. 5) (over)

61-16890

I. Gerasimov, M. M.
II. Glushnev, V. E.

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Mathematical Analysis and Determination of the Strength of Jump Material, by K. I. Syskov.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 2, 1940, pp 41-48.

BIBI 2398

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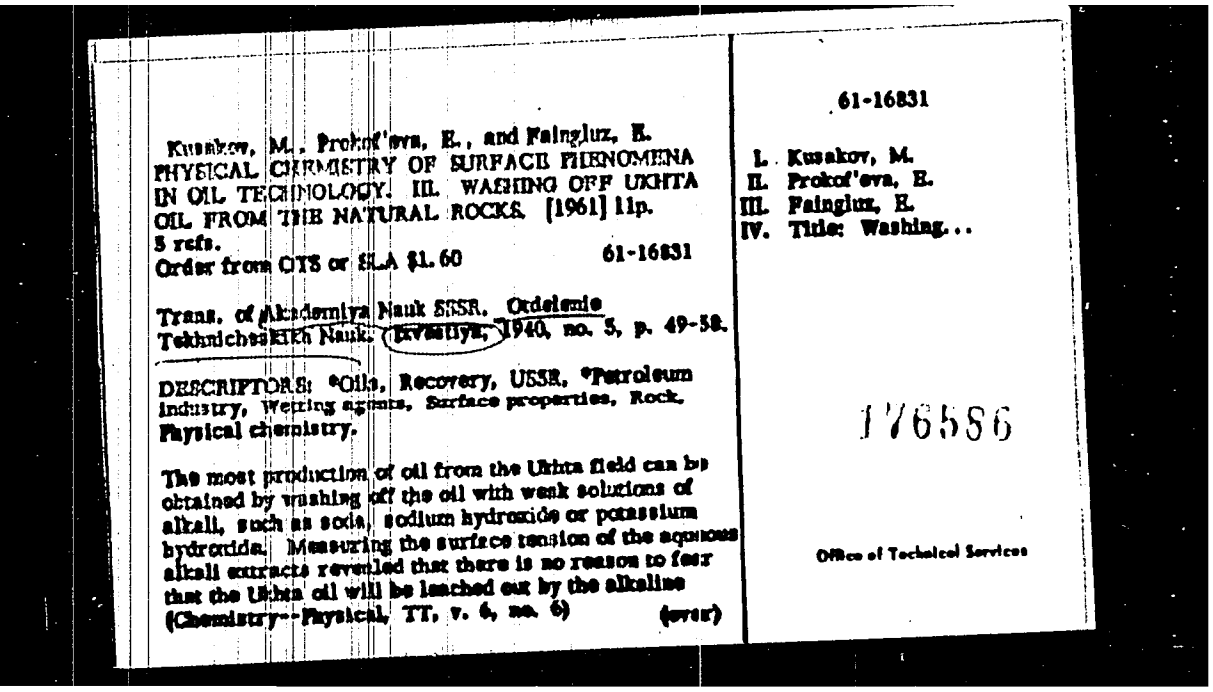

Kusakov, M., Prokof'eva, E., and Faingluz, E.
PHYSICAL CHEMISTRY OF SURFACE PHENOMENA IN OIL TECHNOLOGY. III. WASHING OFF UKHTA OIL FROM THE NATURAL ROCKS. [1961] 11p.
5 refs.
Order from OTS or SLA $1.60 61-16831

Trans. of Akademiya Nauk SSSR. Otdeleniie Tekhnicheskikh Nauk. Izvestiya, 1940, no. 5, p. 49-58.

DESCRIPTORS: *Oils, Recovery, USSR, *Petroleum industry, Wetting agents, Surface properties, Rock, Physical chemistry.

The most production of oil from the Ukhta field can be obtained by washing off the oil with weak solutions of alkali, such as soda, sodium hydroxide or potassium hydroxide. Measuring the surface tension of the aqueous alkali extracts revealed that there is no reason to fear that the Ukhta oil will be leached out by the alkaline
(Chemistry--Physical, TT, v. 6, no. 6) (over)

61-16831

I. Kusakov, M.
II. Prokof'eva, E.
III. Faingluz, E.
IV. Title: Washing...

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Berents, L. I.
THE CHARACTER OF DECOMPOSITION OF MIXTURES OF OCTANE AND ISOOCTANE. [1961] 5p. 7 refs.
Order from OTS or SLA $1.10 61-16885

Trans. of Akademiya Nauk SSSR. Otdelenie Tekhnicheskikh Nauk. Izvestiya, 1940, no. 8, p. 47-50.

DESCRIPTORS: *Hydrocarbons, Decomposition, *Octanes.

Cracking of mixtures of pure normal octane and 2, 2, 4-trimethylpentane in a quartz coil at 580° C. and 1-1.3 second reaction period was investigated in an attempt to determine the mechanism of the reaction. The results indicate that the reaction is not unimolecular. The curve for the dependence of the rate of cracking upon the composition of the mixture possesses a maximum revealing a mutual effect of the two hydrocarbons in their thermal conversion. (Author)

(Chemistry--Organic, TT, v. 6, no. 5)

61-16885

1. Berents, L. I.

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Berents, L. I.
VELOCITIES OF CRACKING OF NARROW OIL FRACTIONS AND THEIR MIXTURES. [1961] 7p.
13 refs.
Order from OTS or SLA $1.10 61-16886

Trans. of Akademiya Nauk SSSR. Otdelenie Tekhnicheskikh Nauk. Izvestiya, 1940, no. 9, p. 99-108.

DESCRIPTORS: *Oils, *Hydrocarbons, Decomposition, Velocity, Gasoline, Fuels.

Increasing the extent of cracking of an individual narrow fraction to 50% results in a reduction of the cracking velocity, which confirms the view of Frost and Dintses concerning the retarding effect of cracked products on the cracking reactions. The cracking velocities of mixtures of narrow fractions do not follow the rule of additivity. They are considerably lower than velocities of decomposition of the initial individual fractions. (Author)
(Engineering--Chemical, TT, v. 6, no. 5)

61-16886

I. Berents, L. I.

180525

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SEMIK, I.

Bulletin de L'acad. des Sciences de L'urrs, no. 4, 6 figures, 3 tables, 4700-word condensed translation; 1941 (IAN-OTKN)

Viscosity of Titaniferous Blast Furnace Slags and the Smelting of Crude Titaniferous Magnetites with Coke.

Brutcher Trans, Order No. 1519, $7.05

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